

**CERTIFICATE OF MAILING**

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE WITH SUFFICIENT POSTAGE AS FIRST-CLASS MAIL IN AN ENVELOPE ADDRESSED TO: COMMISSIONER OF PATENTS, WASHINGTON, D.C. 20231, ON MARCH 7, 2002

Eric A. Meade
Eric A. Meade, REG. NO. 42,876

3/7/02

DATE

Attorney Docket No. 4832

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Shore et al.

Serial No.: 10/035,575

Filed: November 9, 2001

Group Art Unit No.: unknown

Examiner: unknown

For: Platinum Group Metal Promoted Copper Oxidation Catalysts and Methods for Carbon Monoxide Remediation

Commissioner of Patents

Washington, D.C. 20231

**INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR 1.56**

Listed on the enclosed copy of Modified PTO-1449 form designated "A" which recites the application information for the application to which this application claims priority under 35 U.S.C. §120, but has been edited to indicate the current application data. Pursuant to 37 CFR 1.98(d), NO COPIES OF THE REFERENCES ARE ENCLOSED. The prior applications that provide the source of these references are:

Serial No. 09/771,812, filed January 29, 2001

Listed on the enclosed Modified PTO-1449 form designated "B" in accordance with 37 CFR 1.98(a)(2). The references cited in this form are enclosed herewith.

The Examiner is requested to consider carefully the complete text of these references in connection with the examination of this application. It is believed that the Examiner will concur with Applicant's belief that the foregoing references do not adversely affect the patentability of the subject matter presently claimed, taken alone or in combination.

It is requested that the listed references be included in the "References Cited" portion of any patent issuing from this application.

(1) **This Supplemental Information Disclosure Statement is being filed:**

- ☐ within three months of the filing date of the patent application.
- ☐ within three months of the date of entry into the national stage as set forth in 37 CFR 1.491 of the international application.
- ☒ **before** the mailing date of a first Office Action on the merits.
- ☐ **after** the mailing date of the first Office Action on the merits, but **before** the mailing date of
 - a Final Action under 37 CFR 1.113,
 - a Notice of Allowance under 37 CFR 1.311, or
 - an action that otherwise closes prosecution,and is accompanied by either:
 - ☐ the Statement under 37 CFR 1.97(e) (see "Statement" below), or
 - ☐ the fee under 37 CFR 1.17(p).
- ☐ **after** the mailing date of
 - a Final Action under 37 CFR 1.113,
 - a Notice of Allowance under 37 CFR 1.311, or
 - an action that otherwise closes prosecution,,and is accompanied by both:
 - the Statement under 37 CFR 1.97(e) (see "Statement" below), and
 - the fee under 37 CFR 1.17(p).

(2) **Statement**

- ☐ The **undersigned attorney** hereby states that each item information contained in the Supplemental Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign patent application not more than three months prior to the filing of the Supplemental Information Disclosure Statement.

(If this box is checked, do not check any further Statement boxes.)

or

- ☐ The **person signing immediately below** hereby states that no item of information contained in the Supplemental Information Disclosure was cited in any communication from any foreign patent office in any counterpart foreign patent application or, to the knowledge of the person

signing after making reasonable inquiry, was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the Supplemental Information Disclosure Statement.

The person making the statement is:

☐ the inventor(s) who sign(s) below:

Signature of the Inventor(s)

Typed or Printed Name of the Inventor(s)

or

☐ a person who is substantively involved in the preparation or prosecution of the application, and who is associated with the inventor(s), or with the assignee, or with anyone to whom there is an obligation to assign the application (37 CFR 1.565(c)) and who signs below:

Signature of the Person(s)

Typed or Printed Name of the Person

Address of Person Signing

or

☐ the undersigned attorney who signs on the basis of the information:

☐ supplied by the inventor(s).

☐ supplied by an individual designated in 37 CFR 1.56(c).

☐ in the attorney's file.

Signature of the Agent

Serial No. 10/035,575
Docket No. 4832

(4) **Fees**

- ☒ No Fee is owed by the applicants.
- ☐ The IDS Fee of \$180.00 under 37 CFR 1.17(p) is enclosed herewith.

(5) **Method of Payment of Fees**

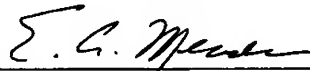
- ☐ Attached is a check in the amount of \$_____.
- ☐ Applicants hereby authorize the Commissioner to charge the \$180.00 IDS Fee to Deposit Account No. 50-0258.

(6) **Authorization to Charge Additional Fees**

- ☒ Applicants hereby authorize the Commissioner to charge any additional fees deemed required for consideration of this Paper to Deposit Account No. 04-0480.

A prompt and favorable response is earnestly solicited.

Respectfully submitted,



Eric A. Meade
Registration No. 42,876

DECHERT PRICE & RHOADS

4000 Bell Atlantic Tower
1717 Arch Street
Philadelphia, PA 19103-2793
Fax: (609)620-3259
Attn: Eric A. Meade
(609)620-3248



Form PTO - 1449 U.S. Department of Commerce (Modified) Patent and Trademark Office				Attorney Docket No. 4832 Serial No.: 10/035,575 Applicant: Shore, et al. Filing Date: November 9, 2001 Group No. Not Yet Assigned			
Information Disclosure Statement by Applicant (use several Sheets if necessary)				B			
U.S. PATENT DOCUMENTS							
Exmr Initial		Patent Number	Issue Date	Patentee	Class	Sub-Class	Filing Date If Appropriate
	A1	4,492,770	1/8/95	Blanchard, et al.	502	304	
	A2	4,939,292	7/3/90	Elliot, et al.	560	239	
	A3	5,830,425	11/3/98	Schneider, et al.	423	437.2	
	A4	6,238,640	5/29/01	Eguchi, et al.	423	437.2	
	A5	10/035,549	not issued	Ruettinger, et al.			11/9/01
	A6	10/039,447	not issued	Ruettinger, et al.			11/9/01
	A7	10/035,525	not issued	Shore, et al.			11/9/01
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION							
Exmr Initial		Document Number	Publn Date*	Country or Patent Office	Class	Sub-Class	Translation? Yes No
	A8	WO 00/41799 ✓	7/20/00	PCT			
	A9	WO 01/17681 A2 ✓	3/15/01	PCT			
	A10	WO 01/47806 A1 ✓	7/5/01	PCT			
	A11	WO 01/60738 A2 ✓	8/23/01	PCT			
	A12	JP 2001/199706 ✓	2001	Japan			Yes
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Place of Publication**)							
	A13	Catalysis Letters. 73(1): 33-40, 2001 (Avgouropoulos). CuO-CeO ₂ mixed oxide catalysts-for-the-selective-oxidation-of-carbon-monoxide-in-excess-hydrogen. ✓					
	A14	Applied Catalysis A: General: 194-195, 2000 (Utaka). CO removal by oxygen-assisted water gas shift reaction over supported Cu catalysts. ✓					
Examiner					Date Considered		

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO - 2)

* Use publication date indicated on the patent or published application. 37 CFR 1.98(b).

** The place or publication refers to the name of the journal, magazine or other publication in which the article was published. Notice of January 9, 1992, 1135 O.G. 13 to 25 at 20.



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(Modified) Patent and Trademark Office

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A

Serial No.: 10/035,575

Applicant: Shore, et al.

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Group No. Not Yet Assigned

Information Disclosure
Statement by Applicant
(use several Sheets if necessary)

U.S. PATENT DOCUMENTS

Exmr Initial	Patent Number	Issue Date	Patentee	Class	Sub-Class	Filing Date If Appropriate
AA	3,922,337	11/25/75	Campbell et al.			
BB	4,711,773	12/8/87	Mesters et al.			
CC	4,996,180	2/26/91	Diwell et al.			
DD	5,030,440	7/9/91	Lywood et al.			
EE	5,063,193	11/5/91	Bedford et al.			
FF	5,877,377	3/2/99	Golunski et al.			
GG	5,990,040	11/23/99	Hu et al.			

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

Exmr Initial	Document Number	Publn Date*	Country or Patent Office	Class	Sub-Class	Translation? Yes No
HH	WO 00/66486	11/9/00	PCT			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Place of Publication**)

II	Applied Catalysis B: Environmental 4 (1994) 105-140 (Barbier). Steam effects in three-way catalysis.
JJ	Catalysis Letters 50 (1998) 41-48 (Park) The influence of surface structure on the catalytic activity of cerium promoted copper oxide catalysts on alumina: oxidation of carbon monoxide and methane. ✓
KK	Catal. Rev. Sci. Eng., 21(2), 275-318 (1980) Newsome, The Water-Gas Shift Reaction. ✓
LL	Applied Catalysis B: Environmental, 3 (1993) 61-83, Reactivity of steam in exhaust gas catalysis, (Barbier)

Examiner	Date Considered

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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